

Query Match 91.9%; Score 4134; DB 4; Length 843;
Best Local Similarity 91.0%; Pred. No. 0;
Matches 767; Conservative 34; Mismatches 42; Indels 0; Gaps 0;

[illegible]

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Qy      601  RSAGGPMCPLMLVPLLLAFGMVPVYVGPPTVFSCFCRQAPPTVCFSVCLSCITVRSPQIV 660
Db      601  RSAGGPMCPLMLVPLLLAFGMVPVYVGPPTVFSCFCRQAPPTVCFSICLSCITVRSPQIV 660
Qy      661  CVFKMARRLPSAYGFWMRYHGPYVFVAPITAVKVALVAGNMLATTINPIGRTPDDPNII 720
Db      661  CVFKMARRLPSAYSFWMRYHGPYVFVAPITAIKVALVVGNMLATTINPIGRTPDDPNIM 720
Qy      721  ILSCHPNYRNGLLFNSTMDLLSVLGFSFAYVGKELPTNYNEAKFITLSMTFSPTSSISL 780
Db      721  ILSCHPNYRNGLLFNSTMDLLSVLGFSFAYMGKELPTNYNEAKFITLSMTFSPTSSISL 780
Qy      781  CTFMSVHDGVLVTIMDLLVTVLNFLAIGLGYFGPKCYMILPYPERNTSAYFNSMIQGYTM 840
Db      781  CTFMSVHDGVLVTIMDLLVTVLNFLAIGLGYFGPKCYMILPYPERNTSAYFNSMIQGYTM 840
Qy      841  RKS 843
Db      841  RKS 843
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<!--StartFragment-->US-10-179-373-17
; Sequence 17, Application US/10179373
; Publication No. US20030232407A1
; GENERAL INFORMATION:
; APPLICANT: ZOLLER, MARK
; APPLICANT: LI, XIAODONG
; APPLICANT: STASZEWSKI, LENA
; APPLICANT: O'CONNELL, SHAWN
; APPLICANT: ZOZULYA, SERGEY
; APPLICANT: ADLER, JON
; APPLICANT: XU, HONG
; APPLICANT: ECHEVERRI, FERNANDO
; TITLE OF INVENTION: TIR HETERO-OLIGOMERIC TASTE RECEPTORS AND CELL LINES
; TITLE OF INVENTION: THAT EXPRESS SAID RECEPTORS AND USE THEREOF FOR
; TITLE OF INVENTION: IDENTIFICATION OF TASTE COMPOUNDS
; FILE REFERENCE: 078003-0291566
; CURRENT APPLICATION NUMBER: US/10/179,373
; CURRENT FILING DATE: 2002-06-26
; PRIOR APPLICATION NUMBER: 60/300,434
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/304,749
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: 60/310,493
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/331,771
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: 60/339,472
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: 60/372,090
; PRIOR FILING DATE: 2002-04-15
; PRIOR APPLICATION NUMBER: 60/374,143
; PRIOR FILING DATE: 2002-04-22
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Rattus sp.
US-10-179-373-17

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Query Match      100.0%; Score 4494; DB 4; Length 843;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 843; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1  MGPQARTCLLSLLHLVLPKPGKLVENSDFHLAGDYLLGGLPTLHANVKSISHLSYLQVP 60
Db      1  MGPQARTCLLSLLHLVLPKPGKLVENSDFHLAGDYLLGGLPTLHANVKSISHLSYLQVP 60

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Db     61  KCNEPTMKVLGYNLMQAMRFAVEEINNCSLLPGVLLGYEMVDVCYLSNNIHPGLYFLAQ 120

Qy    121  DDDLLPILKDYQYMPHVAVIGPDNSESATVSNILSHPLIPQITYSAISDKLRDKRHF 180
Db    121  DDDLLPILKDYQYMPHVAVIGPDNSESATVSNILSHPLIPQITYSAISDKLRDKRHF 180

Qy    181  PSMRLRTVPSATHHIEAMVQLMVHPQWNWIVVLVSDDDYGRENHLLSQRLLTKTSDICIAF 240
Db    181  PSMRLRTVPSATHHIEAMVQLMVHPQWNWIVVLVSDDDYGRENHLLSQRLLTKTSDICIAF 240

Qy    241  QEVLPIPESSQVMRSEEQRQLDNILDKLRRTSARVVVFPSELSLYSFFHEVLRWNPTGF 300
Db    241  QEVLPIPESSQVMRSEEQRQLDNILDKLRRTSARVVVFPSELSLYSFFHEVLRWNPTGF 300

Qy    301  VWIASESWAIDPVLHNLTELRTGTFLGVTIQRVSIQGFSPFRVRDKPGYPVPNTTNLR 360
Db    301  VWIASESWAIDPVLHNLTELRTGTFLGVTIQRVSIQGFSPFRVRDKPGYPVPNTTNLR 360

Qy    361  TTCNQDCDACLNITTSFNNILILSGERVVYSVAVYAVAHALHRLGCMNRVCTKQKVY 420
Db    361  TTCNQDCDACLNITTSFNNILILSGERVVYSVAVYAVAHALHRLGCMNRVCTKQKVY 420

Qy    421  PWQLLREIWHVNFTLLGNRLFPDQGGMPMLLDIIQWQWDLSONPFQSIASYSPTS KRLT 480
Db    421  PWQLLREIWHVNFTLLGNRLFPDQGGMPMLLDIIQWQWDLSONPFQSIASYSPTS KRLT 480

Qy    481  YINNVSWYTPNNTVPVSMCSKSCQPGQMKS VGLHPCCPECLDCMPGTYLNRSADFPNCL 540
Db    481  YINNVSWYTPNNTVPVSMCSKSCQPGQMKS VGLHPCCPECLDCMPGTYLNRSADFPNCL 540

Qy    541  SCPGSMWSYKNDITCQRRPTLEWHEVPTIVVAILAALGPFSTLAILFIFWRHPQTFMV 600

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SCORE Search Results Details for Application 09927315 and Search Result 20070122_093651_... Page 2 of 2

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Qy      601  |RSAGGPMCPLMLVPLLLAPGMVPVYVGPPTVFSCPCROAPPTVCPSICLSCITVRSPQIV| 660
Db      601  |RSAGGPMCPLMLVPLLLAPGMVPVYVGPPTVFSCPCROAPPTVCPSICLSCITVRSPQIV| 660
Qy      661  |CVFKMARRLPSAYSFWMRYPYVVFVAFITAIKVALVVGNNMLATTINPIGRTPDDPNIM| 720
Db      661  |CVFKMARRLPSAYSFWMRYPYVVFVAFITAIKVALVVGNNMLATTINPIGRTPDDPNIM| 720
Qy      721  |ILSCHPNYRNGLLFNTSMDLLSVLGFSFAYMGKELPTNYNEAKFITLSMTFSPTSSISL| 780
Db      721  |ILSCHPNYRNGLLFNTSMDLLSVLGFSFAYMGKELPTNYNEAKFITLSMTFSPTSSISL| 780
Qy      781  |CTFMSVHDGVLVTIMDLLVTVLNPLAIGLGYFGPKCYMILFYPERNTSAYFNSMIQGYTM| 840
Db      781  |CTFMSVHDGVLVTIMDLLVTVLNPLAIGLGYFGPKCYMILFYPERNTSAYFNSMIQGYTM| 840
Qy      841  |RKS| 843
Db      841  |RKS| 843
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<!--EndFragment-->